



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V

230 SOUTH DEARBORN STREET
CHICAGO, ILLINOIS 60604

January 21, 1975

District Engineer
U. S. Army Engineer District, Chicago
219 South Dearborn Street
Chicago, Illinois 60604

Attention: James P. Jones
Chief, Operations Div.

Dear Sir:

This is in reply to your letter, NCCOD-P, dated December 16, 1974, pertaining to Public Notice NCCOD-P 4427402.

We have reviewed the results of the sampling and analyses of water and bottom samples submitted by Soil Testing Services, Inc., on behalf of the U. S. Steel Corporation in connection with the application for a dredging permit at the South Works Plant.

The analyses of the material in both the North and South Slips at the U. S. Steel, South Works Plant, is highly polluted according to the seven basic pollution parameters of our criteria. Therefore, the following precautions are necessary and become a part to our comment, page 2, paragraph 5, of our letter dated August 19, 1974, in reply to Public Notice #4427402:

1. The containment structure be constructed of impervious material and in place prior to dredging.
2. Effluent from the containment area must meet the State of Indiana and/or Environmental Protection Agency water quality criteria.
3. U. S. Steel Corporation be responsible for monitoring project operations and any discharges to insure the impermeability of the containment area and adherence to water quality standards.

Sincerely yours,

A handwritten signature in dark ink, reading "Donald A. Wallgren", is written over the typed name.

Donald A. Wallgren
Chief, Federal Activities Branch

ENGINEERING



600 GRANT STREET
PITTSBURGH, PENNSYLVANIA 15230

February 27, 1975

Mr. James P. Jones
Chief, Operations Division
Department of the Army
Chicago District, Corps of Engineers
219 South Dearborn Street
Chicago, Illinois 60604

Subject: Dredging - Gary Works and South Works

Dear Mr. Jones:

We have received your letter of February 14, 1975 and the USEPA letter of January 21, 1975, attached thereto, both of which requested additional information concerning dredging permit applications for Gary Works and South Works.

Our response to the February 14 letter:

- a. At Gary Works, net flow is into the slip at a rate of 746 mgd. At the South Works north slip, net flow is into the slip at the rate of 58 mgd and at the south slip, net flow is out of the slip at the rate of 69 mgd.
- b. The alternate water quality monitoring plan is covered in my letter to you dated February 18, 1975.
- c. The analyses of Gary slip and harbor bottom sediment samples are complete. See the attached Soil Testing Services report dated February 25, 1975.

Our response to the January 21 letter:

1. We have constructed a "dike within a dike" which was described in detail, including sketches and aerial photographs, in my letter of January 2, 1975. This inner dike, which is located several thousand feet from the outer dike effluent pipes, will serve as an effective filter for the dredged material deposited therein and represents, for all practical purposes, an impervious structure. Most of the outer dike structure, except for a few hundred feet of the east shore arm, is constructed of sheet piling cells filled with slag and capped with concrete, making it essentially impervious. The remainder of the east shore arm is constructed of compacted slag which, like the inner dike, is practically impervious.

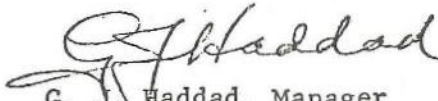
Mr. James P. Jones
February 27, 1975
Page 2



- 2.) U. S. Steel Corporation has developed a monitoring program as described
- &) in my letter of February 18, 1975. Water quality will be monitored in
- 3.) an appropriate manner to demonstrate the achievement of applicable regulatory criteria.

We feel this answers all outstanding obligations and completes the administrative record on the permit applications and, therefore, request that urgent consideration be given to issuance of permits.

Sincerely yours,


G. J. Haddad, Manager
Engineering Services

MAH:mgt

Attachment